

Attorney Docket No. 5000.387
Confirmation No. 1897

JPW
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Saxler
Serial No.: 10/707,898
Filed: 01/22/2004
For: SILICON CARBIDE ON DIAMOND SUBSTRATES
AND RELATED DEVICES AND METHODS

Group Art Unit 2812

August 25, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is an information disclosure statement by applicants citing 42 U.S. patents patent publications, 3 Japanese patent abstracts, and 6 non-patent documents. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Applicants are providing copies of the 3 Japanese abstracts (Cites 19-21) and the 6 non-patent documents (Cites 46-51). Applicants are not providing copies of the remaining cited U.S. patents or publications as the U.S. Patent Office has waived the requirement under 37 CFR 1.98 (a) (2) (i) for submitting such copies for all national patent applications filed after June 30, 2003. We will provide copies of these patents upon request.

Applicants are filing this information disclosure statement before the mailing of a first Office action on the merits. Accordingly, it is submitted that no fee is required for this submission. The Commissioner is, however, authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account No. 50-0332.

Respectfully submitted,

Philip Summa
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Reg. No. 31,573

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 25, 2004.

Philip Summa
Philip Summa

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4**Complete if Known**

Application Number	10/707,898
Filing Date	01/22/2004
First Named Inventor	Saxler
Art Unit	2812
Examiner Name	
Attorney Docket Number	5000.387

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 6,586,781	07-01-2003	Wu et al.	
	2	US- 6,548,333	04-15-2003	Smith	
	3	US- 6,316,793	11-13-2001	Sheppard et al.	
	4	US- 6,316,826	11-13-2001	Yamamoto et al.	
	5	US- 5,393,993	02-28-1995	Edmond et al.	
	6	US- 5,210,051	05-11-1993	Carter, Jr.	
	7	US- 5,523,589	06-04-1996	Edmond et al.	
	8	US- 6,583,454	06-24-2003	Sheppard et al.	
	9	US- 6,396,864	05-28-2002	O'Brien et al.	
	10	US- 6,497,763	12-24-2002	Kub et al.	
	11	US- 6,634,770	10-21-2003	Cao	
	12	US- 6,533,874	03-18-2003	Vaudo et al.	
	13	US- 5,373,171	12-13-1994	Imai et al.	
	14	US- 5,422,901	06-06-1995	Lebby et al.	
	15	US- 6,757,314	06-29-2004	Kneissl et al.	
	16	US- 6,692,568	02-17-2004	Cuomo et al.	
	17	US- 6,686,676	02-03-2004	McNulty et al.	
	18	US- 6,670,693	12-30-2003	Quick	

FOREIGN PATENT DOCUMENTS

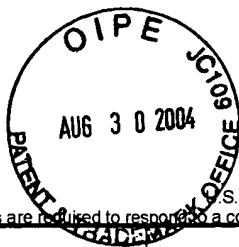
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	19	JP3295267 Abstract	12-26-1991	Seiko Epson Corp		
	20	JP2003037074 Abstract	02-07-2003	Toshiba Corp		
	21	JP2002265296 Abstract	09-18-2002	Kobe Steel Ltd		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet 2 of 4

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Application Number	10/707,898
Filing Date	01/22/2004
First Named Inventor	Saxler
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		Number-Kind Code ² (if known)			
	22	US- 6,156,581	12-05-2000	Vaudo et al.	
	23	US- 6,150,239	11-21-2000	Goesele et al.	
	24	US- 5,872,415	02-16-1999	Dreifus et al.	
	25	US- 5,661,312	08-26-1997	Weitzel et al.	
	26	US- 5,382,822	01-17-1995	Stein	
	27	US- 5,311,055	05-10-1994	Goodman et al.	
	28	US- 5,030,583	07-09-1991	Beetz, Jr.	
	29	US- 5,006,914	04-09-1991	Beetz, Jr.	
	30	US- 2,938,136	05-24-1960	Fischer	
	31	US- 20020167023	11-14-2002	Chavarkar et al.	
	32	US- 20030102482	06-05-2003	Saxler	
	33	US- 20020182779	12-05-2002	Bewley et al.	
	34	US- 20030096507	05-22-2003	Baker et al.	
	35	US- 20020096104	07-25-2002	Yagi et al.	
	36	US- 20020117695	08-29-2002	Borges et al.	
	37	US- 20020123204	09-05-2002	Torvik	
	38	US- 20020086534	07-04-2002	Cuomo et al.	
	39	US- 20020078881	06-27-2002	Cuomo et al.	

FOREIGN PATENT DOCUMENTS

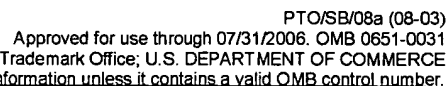
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Sheet

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of

4

Application Number

10/707.898

Filing Date	Case No.	Plaintiff(s)	Defendant(s)	Amount (\$)	Status

01/22/2004

First Named Inventor

Saxler

Art Unit

2812

Examiner Name

Attorney Docket Number

5000.387

U. S. PATENT DOCUMENTS

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Signature

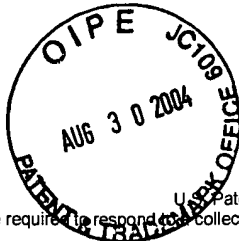
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Application Number	10/851,507
Filing Date	01/22/2004
First Named Inventor	Saxler
Art Unit	2812
Examiner Name	
Attorney Docket Number	5000.387

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	46	W. L. PRIBBLE, et al., Applications of SiC MESFETs and GaN HEMTs in Power Amplifier Design; 2002 IEEE MTT-S Digest, 30:1819-1822	
	47	S. ELHAMRI et al., Persistent Photoconductivity in a High Mobility two Dimensional Electron Gas in an AlGaIn/GaN Heterostructure; 2001 Mat. Res. Soc. Symp. Proc. Vol. 639, G7.6.1-G7.6.6	
	48	A. SAXLER, et al., Electroluminescence of III-Nitride Double Heterostructure Light Emitting Diodes with Silicon and Magnesium Doped InGaIn, Materials Science Forum Vols. 258-263 (1997), pp. 1229-1234	
	49	D. K. GASKILL, Summary of the Workshop on Bonded and Compliant Substrates, MRS Internet Journal, Nitride Semiconductor Research, 03-04-1998, 2 pages	
	50	G. K. CELLER et al., Frontiers of silicon-on-insulator, Journal of Applied Physics, Vol. 93, No. 9, May 1, 2003, p. 4955	
	51	H. MORICEAU, et al., New Layer Transfers Obtained by the SmartCut Process, Journal of Electronic Materials, Vol. 32, No. 8, 2003, pp. 829-835	

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